

### **Amendments to the Claims**

**1. (Original)** A column spacer for maintaining a gap between two glass substrates at a constant distance in a liquid crystal display element,

which comprises an elastic modulus of 0.2 to 1.0 GPa in compressing by 15% at 25°C.

**2. (Original)** The column spacer according to claim 1,

wherein an elastic modulus in compressing by 15% at 60°C is 0.13 to 0.65 GPa.

**3. (Original)** The column spacer according to claim 1,

wherein an elastic modulus in compressing by 15% at 120°C is 0.1 to 0.5 GPa.

**4. (Original)** The column spacer according to claim 1,

wherein a rate of change of the elastic modulus in the fifth compression relative to the elastic modulus in the first compression is 5% or less when a compression test of compressing by 15% at 25°C is performed repeatedly.

**5. (Original)** The column spacer according to claim 1,

wherein an initial compression elastic modulus  $E_{25}$  in compressing by 15% at 25°C and a compression elastic modulus  $E_{120}$  in compressing by 15% at 25°C after compressing by 15% at 120°C satisfy the relationship of the following equation (1):

$$\{(E_{120}-E_{25})/E_{25}\} \times 100 \leq 10 \quad (1).$$

**6. (Original)** The column spacer according to claim 1,

wherein a rate of recovery in deforming by compressing by 15% at 25°C is 70% or more.

**7. (Previously presented)** A liquid crystal display element obtained by using the column spacer according to claim 1.

**8. (Original)** A column spacer for maintaining a gap between two glass substrates at a constant distance in a liquid crystal display element,

which comprises a coefficient of linear expansion of  $1 \times 10^{-4}$  to  $5 \times 10^{-4}/^{\circ}\text{C}$  at a temperature range of 25 to  $100^{\circ}\text{C}$ .

**9. (Original)** A liquid crystal display element obtained by using the column spacer according to claim 8.

**10. (Currently amended)** A curable resin composition for a column spacer to be used for producing a column spacer according to claim 1 of a liquid crystal display element,

which comprises an alkali-soluble high polymer compound having a reactive functional group, a compound having a difunctional or more functional unsaturated bond and a photoreaction initiator.

**11. (Original)** The curable resin composition for column spacers according to claim 10, wherein an amount of the compound having a difunctional or more functional unsaturated bond to be mixed is 100 to 900 parts by weight with respect to 100 parts by weight of the alkali-soluble high polymer compound having a reactive functional group.

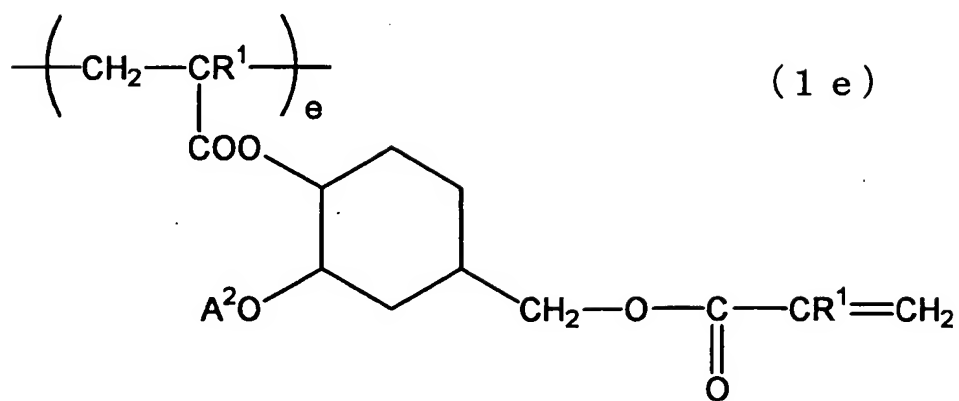
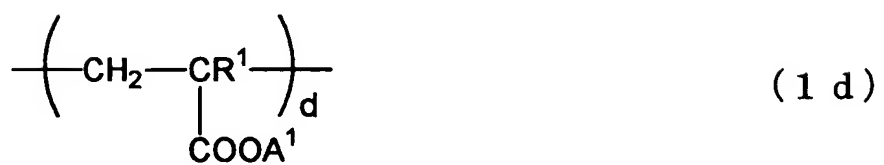
**12. (Original)** The curable resin composition for a column spacer according to claim 10, wherein the alkali-soluble high polymer compound having a reactive functional group is an alkali-soluble (meth)acrylic copolymer having a (meth)acrylic group and a carboxyl group on a side chain.

**13. (Original)** The curable resin composition for a column spacer according to claim 12, wherein the alkali-soluble (meth)acrylic copolymer having a (meth)acrylic group and a carboxyl group on a side chain is a polymer having a main chain comprising of at least a

constituent unit having an acid functional group and a constituent unit having a hydroxyl group, and a radical polymerizable group-containing isocyanate compound is coupled to at least a part of the acid functional group in the form of an amide bond and/or coupled to at least a part of the hydroxyl group in the form of a urethane bond via an isocyanate group of the isocyanate compound, respectively.

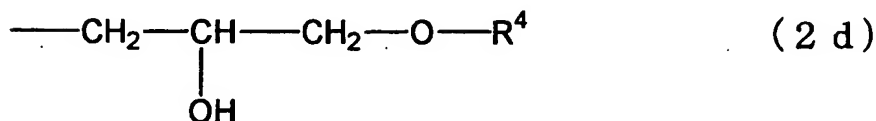
**14. (Original)** The curable resin composition for a column spacer according to claim 12, wherein the alkali-soluble (meth)acrylic copolymer having a (meth)acrylic group and a carboxyl group on a side chain is a copolymer consisting of each structural unit expressed by the following formulas (1a), (1b), (1c), (1d) and (1e);

[Chem. 1]



in the formulas (1a), (1b), (1c), (1d) and (1e),  $A^1$  and  $A^2$  represent a hydrogen or a following formulas (2a), (2b), (2c) or (2d), and when either of  $A^1$  or  $A^2$  is a hydrogen, the other is any one of the following formulas (2a), (2b), (2c) and (2d), and  $R^1$  represents a hydrogen and/or a methyl group,  $R^2$  represents an alkyl group, a phenyl group, a phenyl group containing an alkyl group or an alkoxy group, a hydroxyalkyl group or an alicyclic hydrocarbons,  $R^3$  represents a nitrile group or a phenyl group,  $R^4$  represents an alkyl group, a hydroxyalkyl group or radical polymerizable group-containing aliphatic hydrocarbons, and a, b, c, d and e represent mole ratios (%) of the respective components, and when  $a+b+c+d+e = 100$ , a, b and d are 0 to 90, c is 5 to 50 and e is 5 to 60;

[Chem. 2]



**15. (Original)** The curable resin composition for a column spacer according to claim 14, wherein  $A^1$  and/or  $A^2$  is expressed by the formula (2b).

**16. (Original)** The curable resin composition for a column spacer according to claim 14,

wherein A<sup>1</sup> and/or A<sup>2</sup> is expressed by the formula (2b) and R<sup>4</sup> in the formula (2b) is a radical polymerizable group-containing aliphatic hydrocarbon.

**17. (Original)** The curable resin composition for a column spacer according to claim 14, wherein A<sup>1</sup> and A<sup>2</sup> are expressed by the formula (2c) or (2d).

**18. (Original)** The curable resin composition for a column spacer according to claim 10, wherein the alkali-soluble high polymer compound having a reactive functional group is a copolymer containing unsaturated carboxylic acid and/or unsaturated carboxylic anhydride, and a blocked isocyanate group-containing unsaturated compound.

**19. (Original)** The curable resin composition for a column spacer according to claim 18, wherein the copolymer containing unsaturated carboxylic acid and/or unsaturated carboxylic anhydride, and a blocked isocyanate group-containing unsaturated compound, further contains a hydroxyl group-containing unsaturated compound.

**20. (Original)** The curable resin composition for a column spacer according to claim 10, wherein the alkali-soluble high polymer compound having a reactive functional group is an alkali-soluble (meth)acrylic copolymer having an epoxy group on a side chain.

**21. (Original)** The curable resin composition for a column spacer according to claim 10, wherein the compound having a difunctional or more functional unsaturated bond is a trifunctional or more functional caprolactone modified (meth)acrylate compound.

**22. (Original)** The curable resin composition for column spacers according to claim 10, wherein the compound having a difunctional or more functional unsaturated bond is a compound having a polymerizable unsaturated bond and having a polyethylene glycol skeleton.

**23. (Original)** The curable resin composition for a column spacer according to claim 10, which further comprises a thermal cross-linking agent having a functional group capable of doing cross-linking reaction with the alkali-soluble high polymer compound having a reactive functional group.

**24. (Original)** The curable resin composition for column spacers according to claim 23, wherein the thermal cross-linking agent having a functional group capable of doing cross-linking reaction with the alkali-soluble high polymer compound having a reactive functional group is a thermal cross-linking agent having two or more blocked isocyanate groups.

**25. (Original)** The curable resin composition for a column spacer according to claim 23, wherein the thermal cross-linking agent having a functional group capable of doing cross-linking reaction with the alkali-soluble high polymer compound having a reactive functional group is a thermal cross-linking agent having two or more epoxy groups.

**26. (Previously presented)** A column spacer, obtained by using the curable resin composition for a column spacer according to claim 10.

**27. (Original)** A liquid crystal display element, obtained by using a column spacer according to claim 26.